

(This is the STEM version template for the energy unit – data collection is from video analysis)

Title of Experiment: \_\_\_\_\_

Wild Guess Statement: \_\_\_\_\_

Wild Guess Prediction: \_\_\_\_\_

Research Question:

\_\_\_\_\_

\_\_\_\_\_

Hypothesis: Graph form:

In Words:



\_\_\_\_\_

\_\_\_\_\_

<p><b>IV:</b></p> <p>_____</p> <p><b>DV:</b></p> <p>_____</p>
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<p><b>Controls:</b> (With Numbers)</p>
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Procedure:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Height (m)	Time (s)	Velocity (m/s)	Acceleration (m/s <sup>2</sup> )	Gravitational Potential Energy (kg*m <sup>2</sup> /s <sup>2</sup> )	Kinetic Energy (kg*m <sup>2</sup> /s <sup>2</sup> )	Total Energy (kg*m <sup>2</sup> /s <sup>2</sup> )
1	0	0	0		0	
0.8						
0.6						
0.4						
0.2						
0						

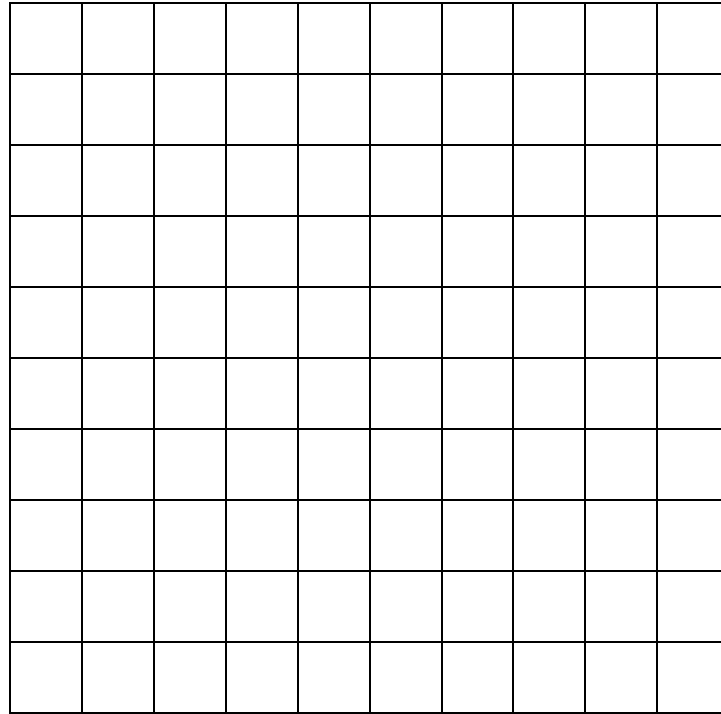
Equation:

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Graph:

Gravitational Potential Energy (kg\*m<sup>2</sup>/s<sup>2</sup>)



Kinetic Energy (kg\*m<sup>2</sup>/s<sup>2</sup>)

